Diamond Shamrock

1/laterial Safety Data Sheet



214-922-2000

Product Name	: CHROMI	C ACID			PM 93	5	A Section of the sect
CHEMICAL NAME	Chromic Trioxide					EMERGENCY PHO	
SYNONYMS	Chromic Acid, Chromic Anhydride CrO ₃						ED
FORMULA							
		I. HA	ZARDO	US INGREDIENTS			
MATERIAL		TLV(UNITS)	%	MATERIAL		TLV (UNITS)	*
Cr03		o.1 mg/m ³	100				
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		11.	PHYS	IGAL DATA		;··	
BOILING POINT	Not applicable			FREEZING POINT	Not applicable		
SPECIFIC GRAVITY	2.7 @ 20° C			VAPOR PRESSURE AT 20° C	Not applicable		
VAPOR DENSITY (AIR = 1)	Not applicable			SOLUBILITY IN WATER	Appreciable		
PERCENT VOLATILES BY VOLUME	None			EVAPORATION RATE (BUTYL ACETATE =1)	Not applicable		
APPEARANCE	Dark Red Solid Flakes or Powder			ODOR	None		
		III. FIRE A	ND EXPL	OSION HAZARD DAT	ΓΑ	,	
FLASH POINT (TEST METHOD)	Not applicable			FLAMMABLE LIMITS	Upper Not applicable		
AUTOIGNITION TEMPERATURE	Is Not Combustible			(% BY VOLUME)	Lower Not applicable		
EXTINGUISHING MEDIA	fighti		e all s	stible. Water, CO ₂ afe to use on fires			
SPECIAL FIREFIGHTING PROCEDURES	None						
UNUSUAL FIRE AND EXPLOSION HAZARDS	Chromi	c Acid is no	ot combu	stible, but may ign	ite oxidi	zable substa	nces.

All information, recommendations and suggestions appearing in this literature concerning the use of our products are based upon tests and date believed to be reliable, however, it is the user Yappo to hit of externine the suitability for

	IV. HEALTH HAZARD DATA						
HRESHOLD LIMIT	0.1 mg/m as Cr03						
. ECTS OF	If inhaled as dust or mist may irritate respiratory system. It can irritat mucous membranes and skin and cause ulceration of skin wounds. In contact with eyes may cause irritation or conjunctivitis.						
MERGENCY AND IRST AID ROCEDURES	Skin Contact: Flush skin with water. Clothing penetrated with solutions or dust should be removed promptly and washed before re-use. Contact With Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to insure water contact with entire surface of eyes and lids. Call a physician. Inhalation: Irrigate masal passages and mouth with salt water.						
	V. REACTIVITY DATA						
TABILITY	CONDITIONS TO AVOID						
_Unstable X Stable	Chromic Acid is hydroscopic. Do not store in humid places. Stongly oxidizing in solution. Avoid contact with oxidizable materials.						
NCOMPATIBILITY Materials To Avoid)	Chromic Acid is a strong oxidizing agent. Avoid contact with organic materials, oils, greases, or any easily oxidizable material.						
dazardous Decomposition Products	None						
Hazardous Polymerization May X Will Not Occur Occur	CONDITIONS TO AVOID •						
	VI. SPILL OR LEAK PROCEDURES						
STO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Solids should be shoveled up. Area should be flushed with water. Remaining traces should be neutralized with soda ash. Dissolved solids may then be treated by appropriate waste disposal method.						
NASTE DISPOSAL VETHOD	The hexavalent chromium in solution may be reduced to trivalent chromium by a variety of reducing agents such as sodium bisulfite, sodium sulfite, sulfite dioxide of ferrous sulfate or chloride. The reduced chromium may then be precipitated as the hydrous chromic oxide by neutralizing to a pH of 7.5 with soda ash, caustic soda or lime.						
	VII. SPECIAL PROTECTION INFORMATION						
RESPIRATORY PROTECTION	Dust Respirator (U.S. Bureau of Mines 2175 Model 7100 or American Optical R 2090 Red Devil with mist filter or equivalent). SPECIAL SPECIAL						
VENTILATIONS	X See TLV MECHANICAL * OTHER X Listed Above						
PROTECTIVE GLOVES	Rubber or Plastic Safety Goggles OTHER PROTECTIVE Rubber EQUIPMENT Safety Toed Shoes						
	VIII. SPECIAL PRECAUTIONS						
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Do not store in humid air. Do not store in close proximity to easily oxidizable materials (Yellow Label). Avoid contact with skin or eyes. Avoid breathing mists or dusts. Do not take internally.						
OTHER PRECAUTIONS							